API Well Number: 43013514380000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER SNAKE PETE 10-23-3-3W	
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** UNDESIGNATED
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY	**7. OPERATOR PHONE** 435 646-4825
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052	**9. OPERATOR E-MAIL** mcrozier@newfield.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H626187	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ◉ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ◉ STATE ○ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') UTE INDIAN TRIBE	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1982 FSL 1980 FEL	NWSE	23	3.0 S	3.0 W	U
Top of Uppermost Producing Zone	1982 FSL 1980 FEL	NWSE	23	3.0 S	3.0 W	U
At Total Depth	1982 FSL 1980 FEL	NWSE	23	3.0 S	3.0 W	U

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 1980	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 3800	**26. PROPOSED DEPTH** MD: 10200 TVD: 10200
27. ELEVATION - GROUND LEVEL 5260	**28. BOND NUMBER** RLB00100473	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 437478

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.3	Premium Lite High Strength	51	3.53	11.0
							Class G	154	1.17	15.8
I1	8.75	7	0 - 8040	26.0	P-110 LT&C	9.5	Premium Lite High Strength	252	3.53	11.0
							50/50 Poz	266	1.24	14.3
PROD	6.125	4.5	7840 - 10200	11.6	P-110 LT&C	11.5	50/50 Poz	206	1.24	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Don Hamilton	**TITLE** Permitting Agent	**PHONE** 435 719-2018
SIGNATURE	**DATE** 05/22/2012	**EMAIL** starpoint@etv.net

API NUMBER ASSIGNED
43013514380000

APPROVAL

Permit Manager

RECEIVED: June 05, 2012

Newfield Production Company
Snake Pete 10-23-3-3W
NW/SE Section 23, T3S, R3W
Duchesne County, UT

Drilling Program

1. Formation Tops

Uinta	surface
Green River	3,230'
Garden Gulch member	6,135'
Wasatch	8,620'
TD	10,200'

2. Depth to Oil, Gas, Water, or Minerals

Base of moderately saline	483'	(water)
Green River	6,135' - 8,620'	(oil)
Wasatch	8,620' - TD	(oil)

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld	--	--	--	--	--	--
14									--	--	--
Surface	0'	1,000'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
9 5/8									6.27	6.35	10.94
Intermediate	0'	8,040'	26	P-110	LTC	9	9.5	15	9,960	6,210	693,000
7									2.62	1.96	3.32
Production	7,840'	10,200'	11.6	P-110	LTC	11	11.5	--	10,690	7,560	279,000
4 1/2									2.22	1.49	2.36

Assumptions:

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Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)
Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41 / 35	15%	15.8	1.17
Surface Lead	12 1/4	500'	Premium Lite II w/ 3% KCl + 10% bentonite	180 / 51	15%	11.0	3.53
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	190 / 154	15%	15.8	1.17
Intermediate Lead	8 3/4	5,135'	Premium Lite II w/ 3% KCl + 10% bentonite	888 / 252	15%	11.0	3.53
Intermediate Tail	8 3/4	1,905'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	329 / 266	15%	14.3	1.24
Production Tail	6 1/8	2,360'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	256 / 206	15%	14.3	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the intermediate and production casing strings will be calculated from an open hole caliper log, plus 15% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 1,000'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
1,000' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite.

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Anticipated maximum mud weight is 11.5 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.57 psi/ft gradient.

10,200' x 0.57 psi/ft = 5834 psi

No abnormal temperature is expected. No H_2S is expected.

9. Other Aspects

This is planned as a vertical well.

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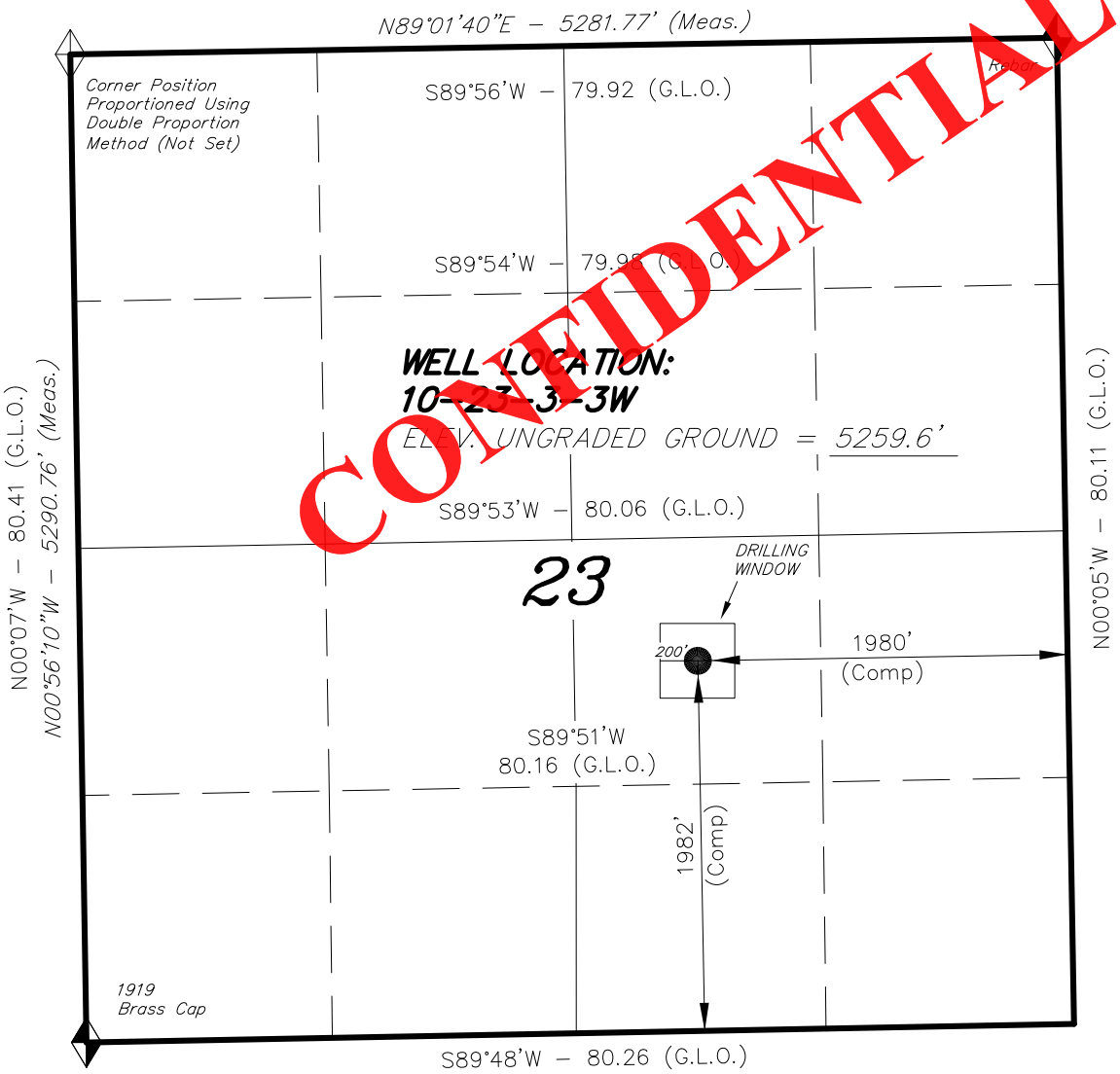
API Well Number: 43013514380000

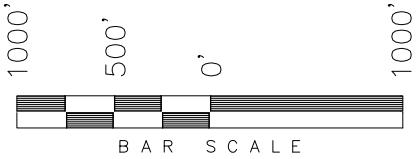
T3S, R3W, U.S.B.&M.



CONFIDENTIAL

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 10-23-3-3W, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 23, T3S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



NOTES:

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Proposed Well head bears N58°00'59"E 3857.95' from the Southwest Corner.

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR No.189377 12-02-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No.
STATE OF UTAH

= SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

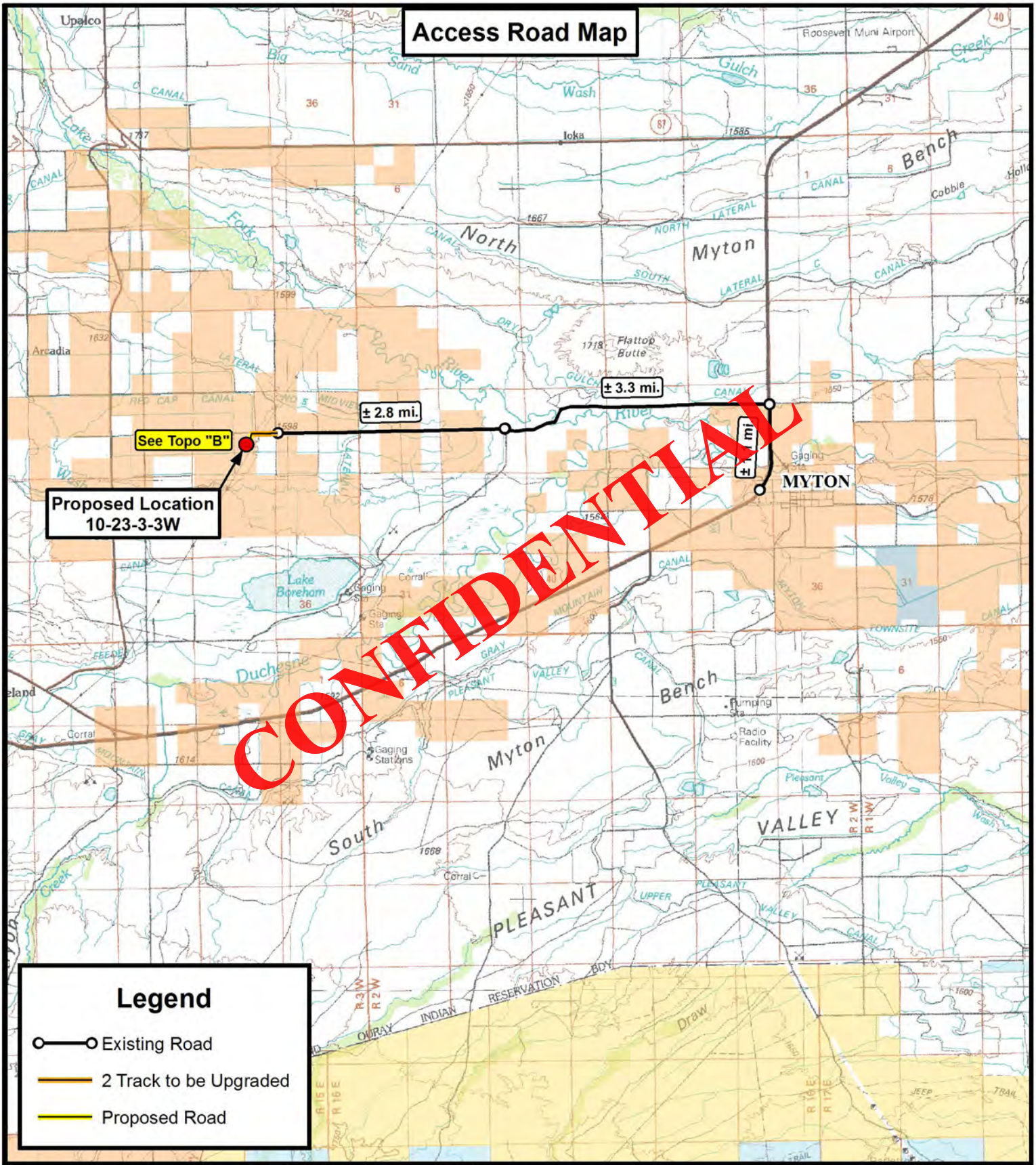
10-23-3-3W
(Surface Location) NAD 83
LATITUDE = 40° 12' 20.42"
LONGITUDE = 110° 11' 15.67"

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 11-02-11	SURVEYED BY: C.S.	VERSION:
DATE DRAWN: 11-03-11	DRAWN BY: F.T.M.	V2
REVISED: 11-29-11 F.T.M.	SCALE: 1" = 1000'	

RECEIVED: May 22, 2012

API Well Number: 43013514380000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

10-23-3-3W
SEC. 23, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

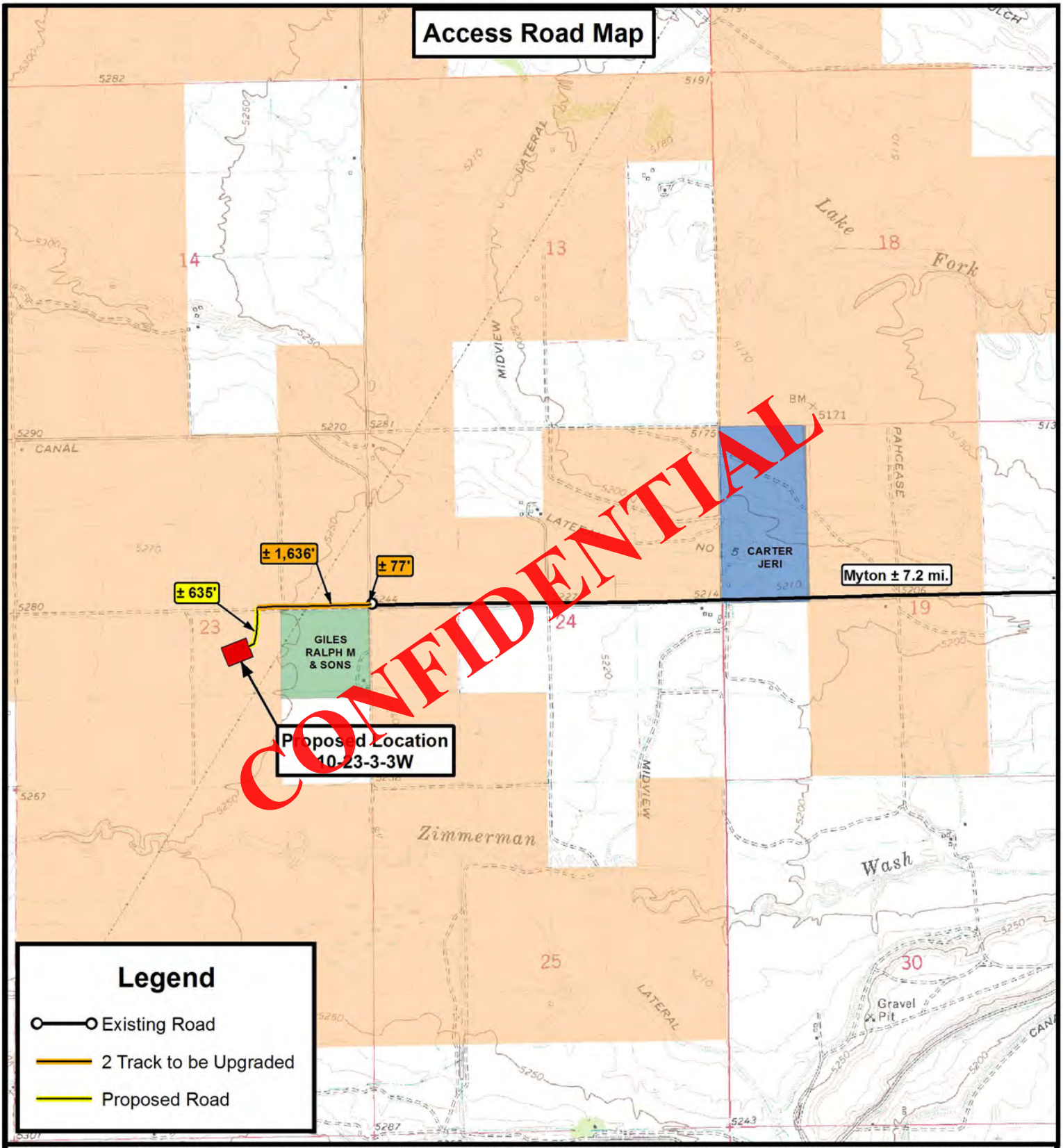
DRAWN BY:	D.C.R.	REVISED:	11-29-11 D.C.R.	VERSION:
DATE:	11-03-2011			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013514380000

Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
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N

NEWFIELD EXPLORATION COMPANY

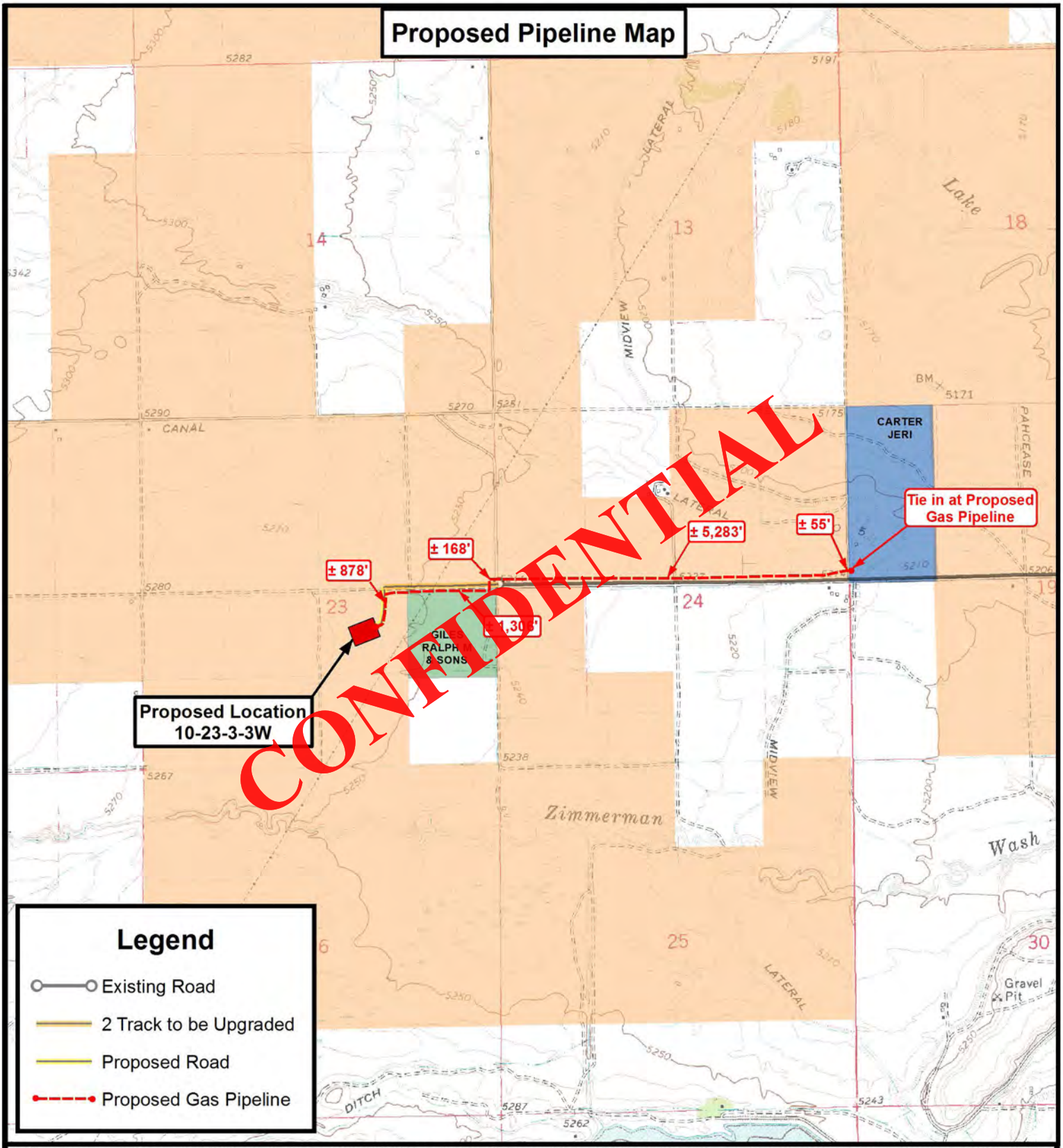
10-23-3-3W
SEC. 23, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	11-29-11 D.C.R.	VERSION:
DATE:	11-03-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013514380000



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Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

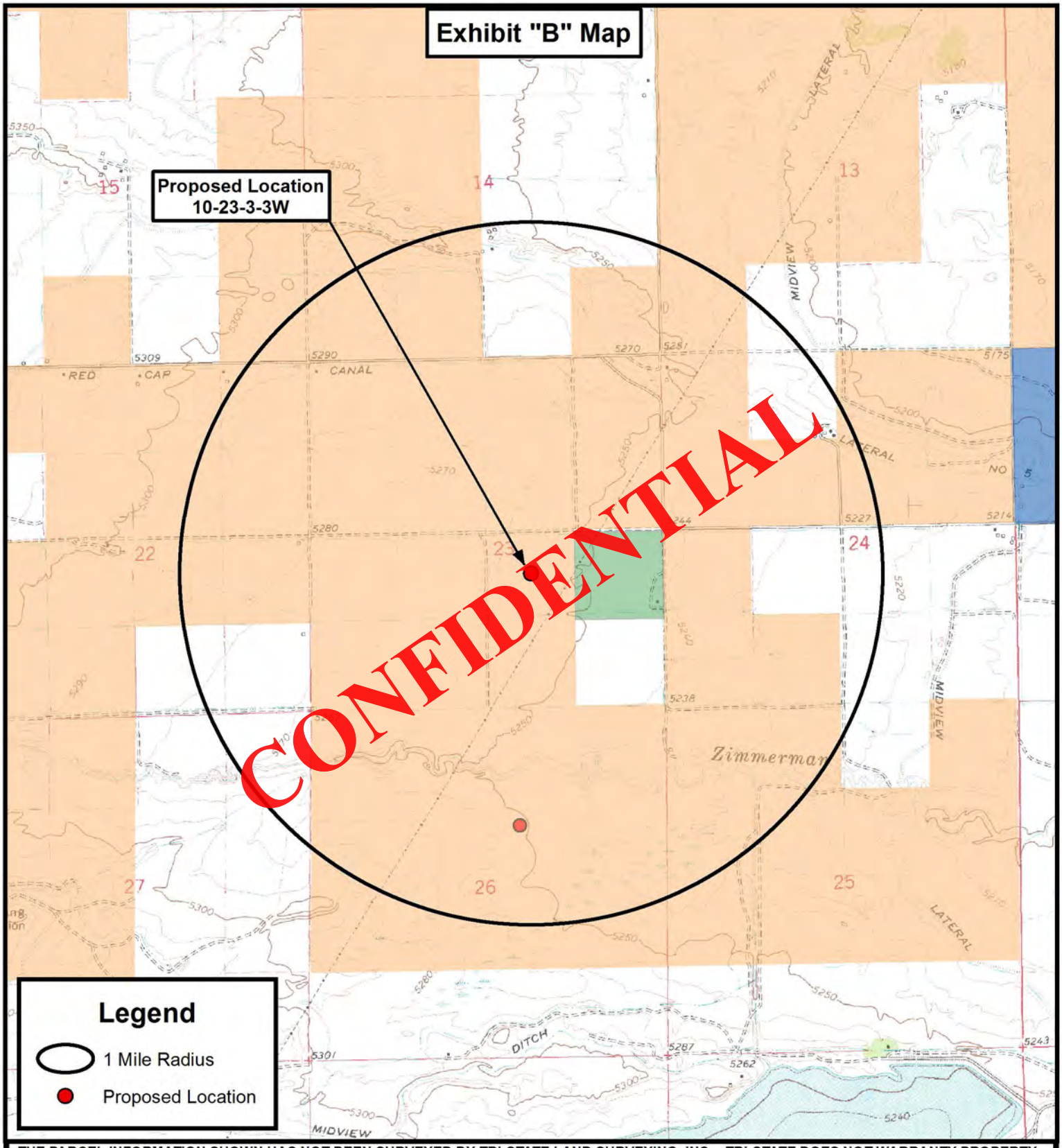
10-23-3-3W
SEC. 23, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	11-29-11 D.C.R.	VERSION:
DATE:	11-03-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013514380000



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Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

NEWFIELD EXPLORATION COMPANY

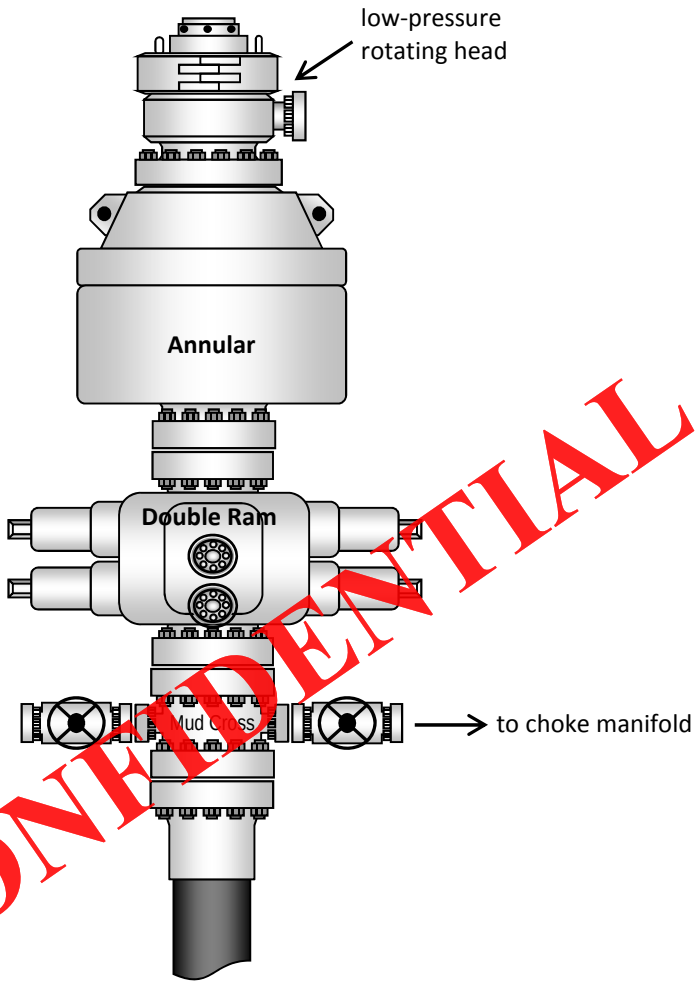
10-23-3-3W
SEC. 23, T3S, R3W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	11-29-11 D.C.R.	VERSION:
DATE:	11-03-2011			V2
SCALE:	1 " = 2,000 '			

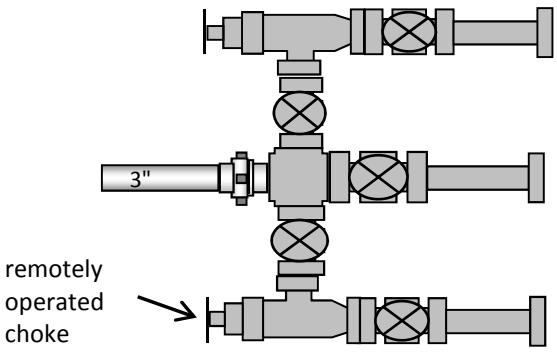
TOPOGRAPHIC MAP

SHEET D

Typical 5M BOP stack configuration



Typical 5M choke manifold configuration



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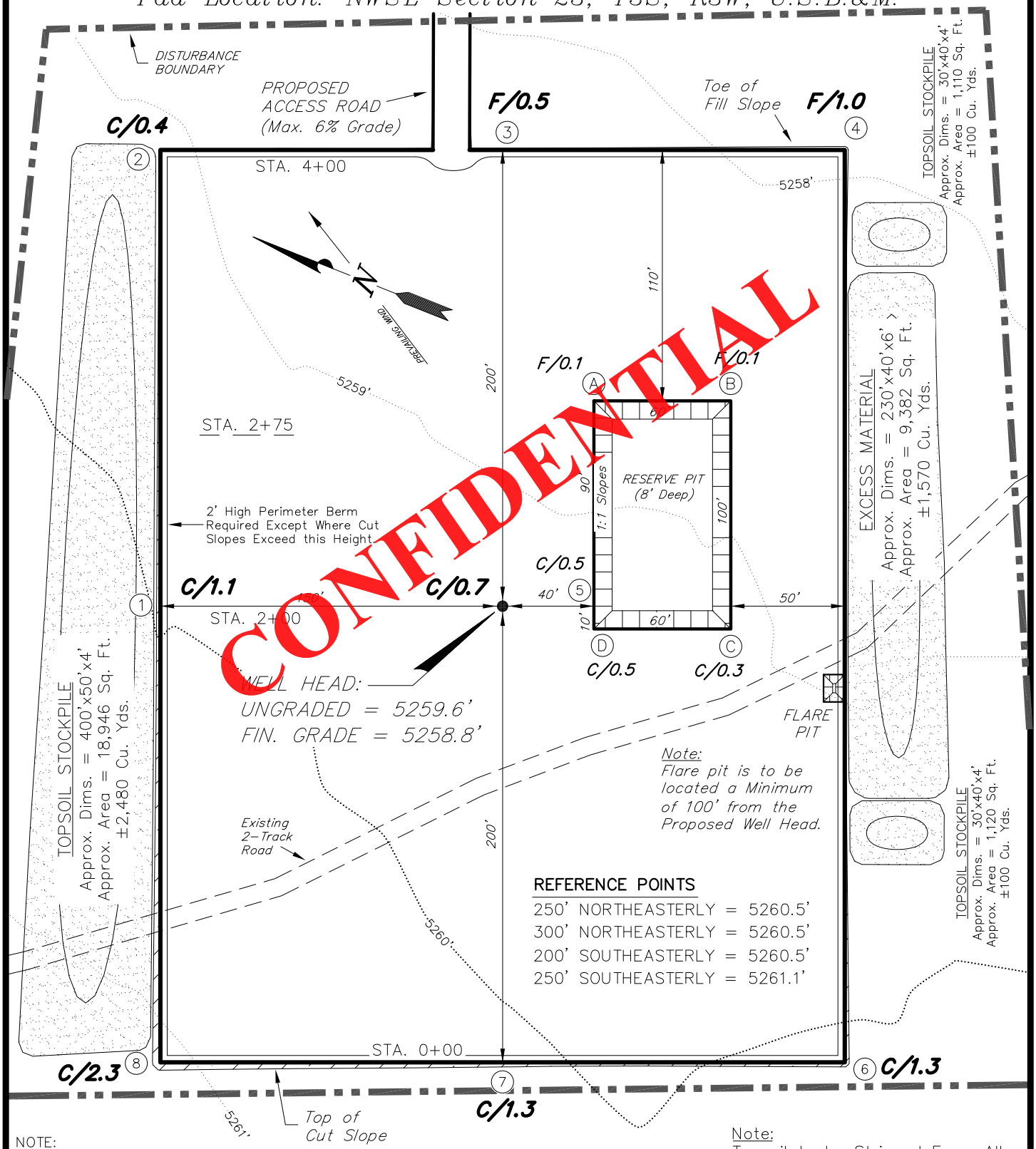
NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

10-23-3-3W

Pad Location: NWSE Section 23, T3S, R3W, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 4,250 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

Note:
Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

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DRAWN BY: F.T.M.	DATE DRAWN: 11-03-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 11-29-11		

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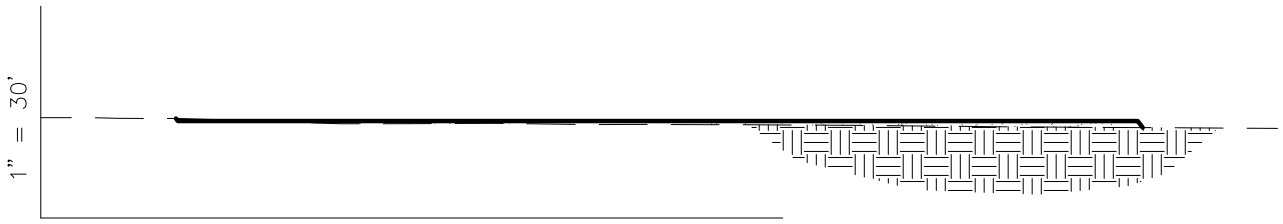
NEWFIELD EXPLORATION COMPANY

CROSS SECTIONS

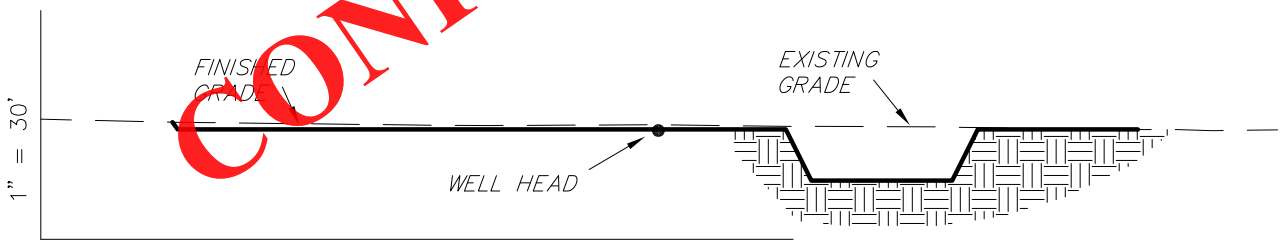
10-23-3-3W

Pad Location: NWSE Section 23, T3S, R3W, U.S.B.&M.

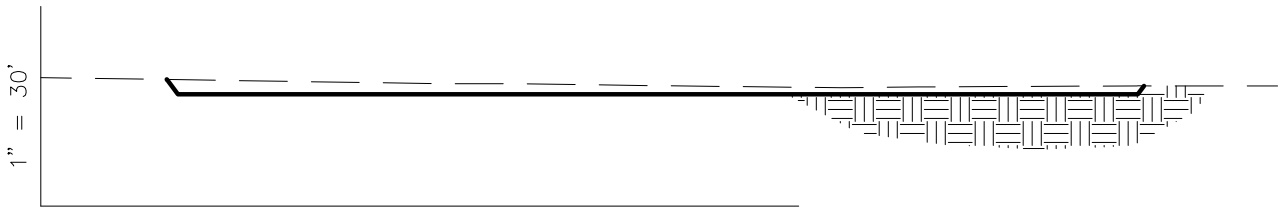


STA. 4+00

STA. 2+75



STA. 2+00



STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,120	1,110	Topsoil is not included in Pad Cut Volume	10
PIT	1,420	0		1,420
TOTALS	2,540	1,110	2,430	1,430

NOTE:
UNLESS OTHERWISE NOTED ALL CUT/FILL SLOPES ARE AT 1.5:1

SURVEYED BY: C.S.	DATE SURVEYED: 11-02-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 11-03-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 11-29-11		

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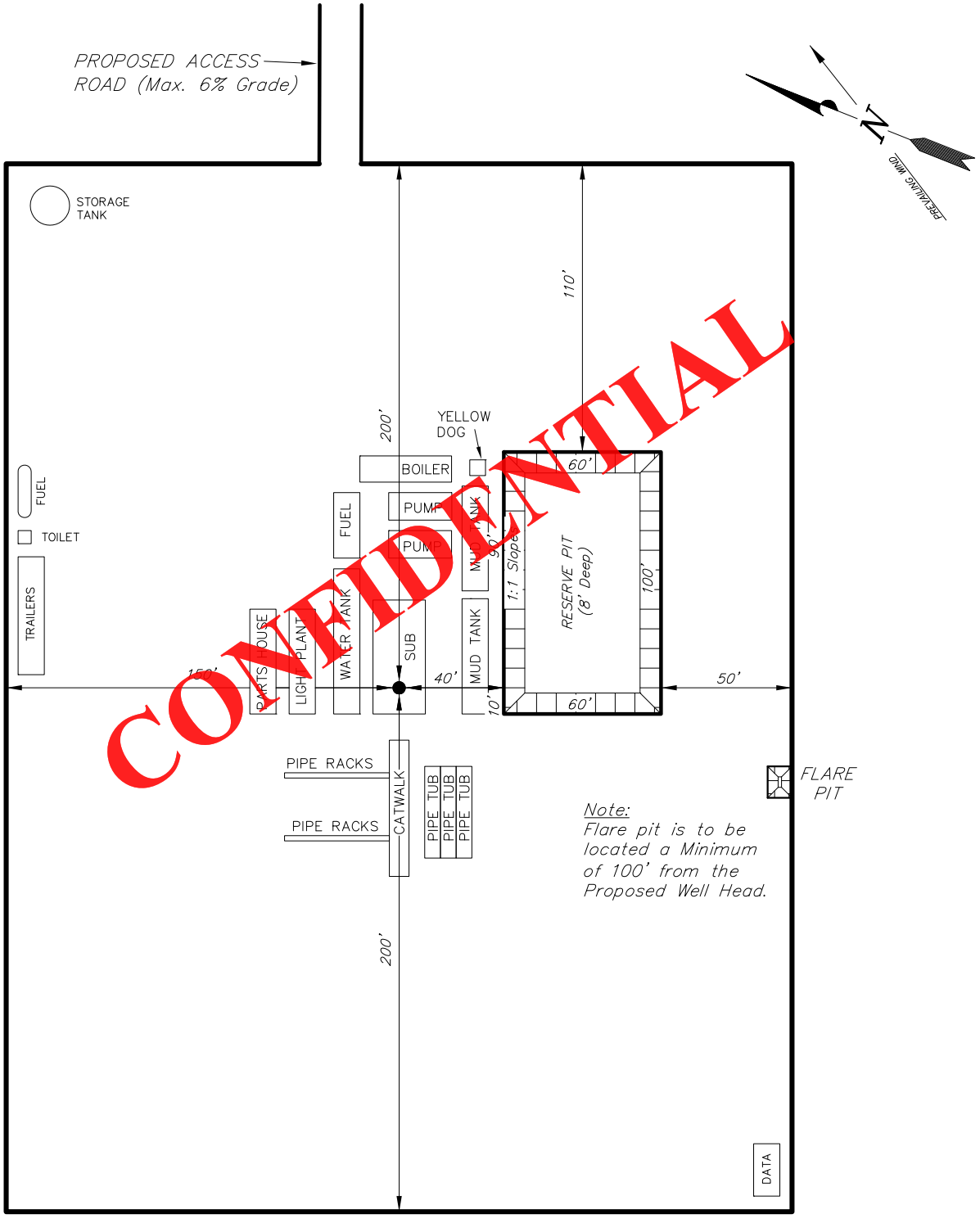
NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

10-23-3-3W

Pad Location: NWSE Section 23, T3S, R3W, U.S.B.&M.



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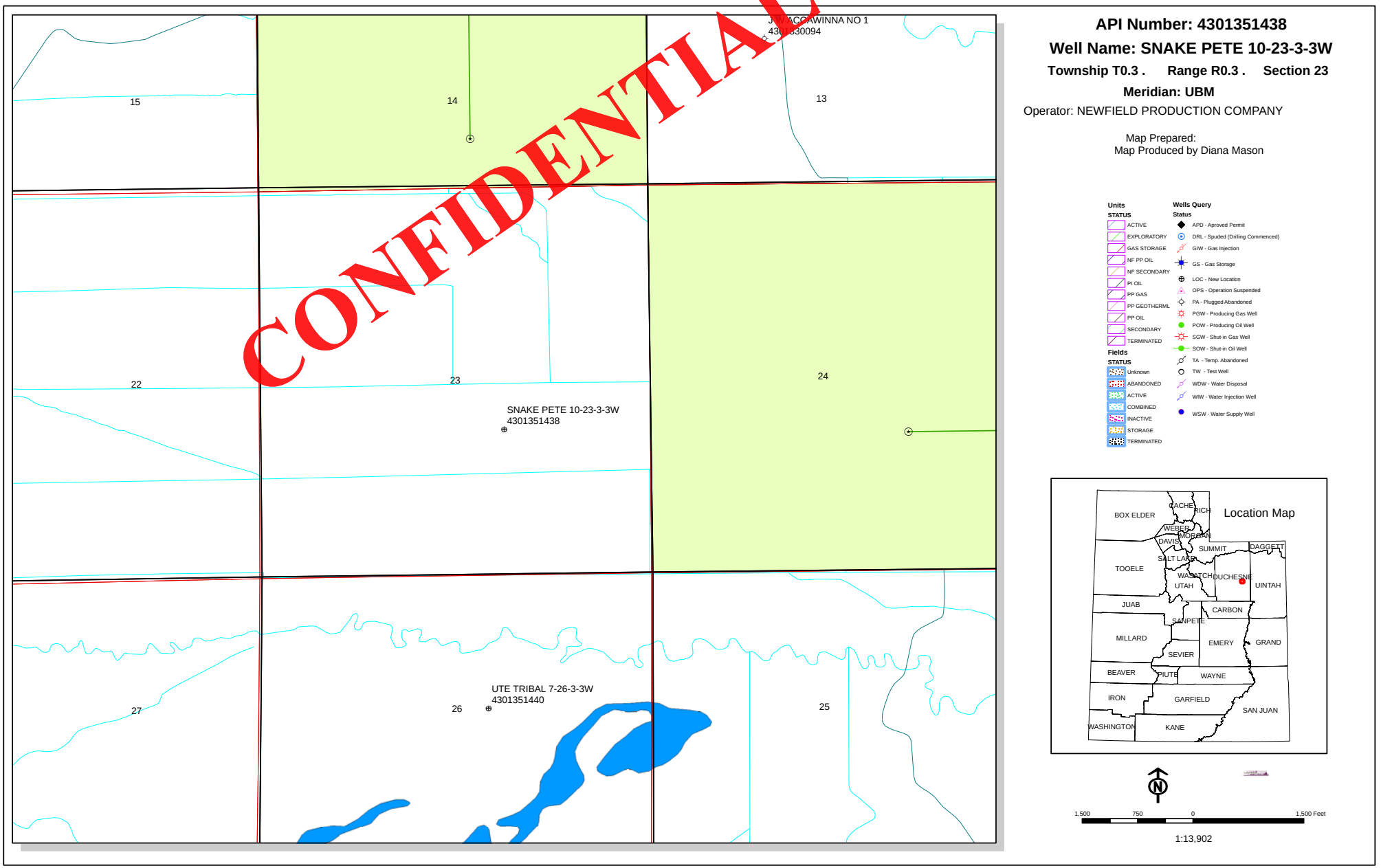

API Number: 4301351438

Well Name: SNAKE PETE 10-23-3-3W

Township T0.3 . Range R0.3 . Section 23

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
ACTIVE
EXPLORATORY
GAS STORAGE
NF PP OIL
NF SECONDARY
PI OIL
PP GAS
PP GEOTHERML
PP OIL
SECONDARY
TERMINATED

Fields
STATUS
Unknown
ABANDONED
ACTIVE
COMBINED
INACTIVE
STORAGE
TERMINATED

Wells Query
Status
APD - Aproved Permit
DRL - Spuded (Drilling Commenced)
GIW - Gas Injection
GS - Gas Storage
LOC - New Location
OPS - Operation Suspended
PA - Plugged Abandoned
PGW - Producing Gas Well
POW - Producing Oil Well
SGW - Shut-in Gas Well
SOW - Shut-in Oil Well
TA - Temp. Abandoned
TW - Test Well
WDW - Water Disposal
WIW - Water Injection Well
WSW - Water Supply Well

1,500 750 0 1,500 Feet

1:13,902

RECEIVED: June 05, 2012

API Well Number: 43013514380000

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/22/2012 **API NO. ASSIGNED:** 43013514380000

WELL NAME: SNAKE PETE 10-23-3-3W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: NWSE 23 030S 030W **Permit Tech Review:** ☑

SURFACE: 1982 FSL 1980 FEL **Engineering Review:** ☐

BOTTOM: 1982 FSL 1980 FEL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.20564 **LONGITUDE:** -110.18768

UTM SURF EASTINGS: 569131.00 **NORTHINGS:** 4450898.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H626187 **PROPOSED PRODUCING FORMATION(S):** WASATCH

SURFACE OWNER: 2 - Indian **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** INDIAN - RLB00100473
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-90

Effective Date: 5/9/2012

Siting: 4 Prod LGRRV-WSTC Per Sectional Drilling Units

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason

RECEIVED: June 05, 2012

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill
****

Well Name: SNAKE PETE 10-23-3-3W
API Well Number: 43013514380000
Lease Number: 1420H626187
Surface Owner: INDIAN
Approval Date: 6/5/2012

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html

September 10, 2012

IN REPLY REFER TO:
3160 (UTG011)

Mandie Crozier
Newfield Production Company
Route 3, Box 3630
Myton, UT 84052

43 013 51438

Re: Well No. Snake Pete 10-23-3-3W
NWSE, Sec.23, T3S, R3W
Duchesne County, Utah
Lease No. 14-20-H62-6187

Dear Ms. Crozier:

Enclosed are two (2) approved copies of the Application for Permit to Drill (APD) with attached Conditions of Approval for the above referenced well.

If you have any questions regarding APD processing, please contact Leslie Robinson at (435) 781-3432.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Mineral Resources

Enclosures

bcc: Well File
Reading File

Form 3160-3
(August 2007)

RECEIVED

MAR 15 2012

BLM

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

CONFIDENTIAL

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator: NEWFIELD PRODUCTION COMPANY
Contact: MANDIE CROZIER
E-Mail: mcrozier@newfield.com

3a. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3b. Phone No. (include area code): Ph: 435-646-4825, Fx: 435-646-3031

4. Location of Well (*Report location clearly and in accordance with any State requirements.**)
At surface: NWSE 1982FSL 1980FEL
At proposed prod. zone: NWSE 1982FSL 1980FEL

5. Lease Serial No.: 1420H626187

6. If Indian, Allottee or Tribe Name:

7. If Unit or CA Agreement, Name and No.:

8. Lease Name and Well No.: SNAKE PETE 10-23-3-3W

9. API Well No.: 43-013-51438

10. Field and Pool, or Exploratory: UNDESIGNATED

11. Sec., T., R., M., or Blk. and Survey or Area: Sec 23 T3S R3W Mer UBM

14. Distance in miles and direction from nearest town or post office*: 7.6 MILES NORTHWEST OF MYTON, UTAH

12. County or Parish: DUCHESNE

13. State: UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any): 660'

16. No. of Acres in Lease: 640.00

17. Spacing Unit dedicated to this well: 40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.: 3700'

19. Proposed Depth: 10200 MD, 10200 TVD

20. BLM/BIA Bond No. on file: RLB00100473

21. Elevations (Show whether DF, KB, RT, GL, etc.): 5260 GL

22. Approximate date work will start: 05/15/2012

23. Estimated duration: 14 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: (Electronic Submission) — Name (Printed/Typed): MANDIE CROZIER Ph: 435-646-4825 — Date: 04/16/2012

Title: REGULATORY ANALYST

Approved by (Signature): — Name (Printed/Typed): Jerry Kenczka — Date: AUG 29 2012

Title: Assistant Field Manager Lands & Mineral Resources — Office: VERNAL FIELD OFFICE

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached. CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #135565 verified by the BLM Well Information System
For NEWFIELD PRODUCTION COMPANY, sent to the Vernal
Committed to AFMSS for processing by LESLIE ROBINSON on 04/17/2012 ()

NOTICE OF APPROVAL

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

12SS0969AE

NOS 11/23/11

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Company**	**Location:**	**NWSE, Sec. 23, T3S, R3W**
Well No:	**Snake Pete 10-23-3-3W**	**Lease No:**	**14-20-H62-6187**
API No:	**43-013-51438**	**Agreement:**	

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

General Conditions of Approval:

- A 60' foot corridor right-of-way shall be approved for the road and pipeline. Upon completion of each pipeline in the corridor, they shall be identified and filed with the Ute Tribe.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipelines.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the *"umbrella"* of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- Newfield Production Company will implement a "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's, COA's, and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Electronic/mechanical mud monitoring equipment shall be required, from surface casing shoe to TD, which shall include as a minimum: pit volume totalizer (PVT); stroke counter; and flow sensor.
- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- Surface casing cement shall be brought to surface.
- Intermediate casing cement shall be brought up and into the surface casing annulli. The minimum cement top is 200 ft above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM_UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross 31 Submitted By Branden Arnold Phone Number 435-401-0223
Well Name/Number Snake Pete 10-23-3-3W
Qtr/Qtr NW/SE Section 23 Township 3S Range 3W
Lease Serial Number 1420H626187
API Number 43-013-51438

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 12/5/12 10:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

Date/Time 12/5/12 3:00 AM ☐ PM ☒

BOPE

☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18843	4301351438	SNAKE PETE 10-23-3-3W	23	3S	3W	NWSE	DUCHESNE	12/5/2012	12/19/12

WELL 1 COMMENTS:
WSTC

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351021	GMBU D-32-8-17	29	8S	17E	SESW	DUCHESNE	12/11/2012	12/19/12

GRRV BHL: S32 NWNW

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
B	99999	17400	4301351250	GMBU T-8-9-17	9	9S	17E	NWSW	DUCHESNE	12/13/2012	12/19/12

GRRV BHL: S8 SESE

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	17400	4301351244	GMBU K-8-9-17	NWSW	9	9S	17E	DUCHESNE	12/14/2012	12/19/12

GRRV BHL: S8 SENE

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18844	4304752442	UTE TRIBAL 3-1-4-1E	NENW	1	4S	1E	UINTAH	12/12/2012	12/19/12

WSTC

ACTION CODE	CURRENT ENTITY NO	NEW ENTITY NO	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	18845	4304752443	UTE TRIBAL 9-1-4-1E	NESE	1	4S	1E	UINTAH	12/10/2012	12/19/12

WSTC

A - Establish new entity for new well (single well only)
B - Add new well to existing entity (group or unit well)
C - Re-assign well from one existing entity to another existing entity
D - Re-assign well from one existing entity to a new entity
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

Tabitha Timothy
Signature
Production Clerk
12/19/12

RECEIVED
DEC 19 2012
Div. of Oil, Gas & Mining

CONFIDENTIAL

FORM 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31,2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on page 2

5. Lease Serial No.
SAM (14-20-H62-6187)

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or
UINTA CB - WASATCH DEEP

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
SNAKE PETE 10-23-3-3W

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301351438

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
UINTA CENTRAL BASIN

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1982 FSL 1980 FEL
NWSE Section 23 T3S R3W

11. County or Parish, State
DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 12/5/12 MIRU Ross #33. Spud well @9:00 AM. Drill 53' of 17 1/2" hole with air mist. TIH W/ 2 Jt's 14" H-40 36.78# csgn. Set @ 71. On 12/5/12 cement with 90 sks of class "G" w/ 2% CaCL2 + 0.25#/sk Cello- Flake Mixed @ 15.8ppg w/ 1.17ft3/sk yield. Returned 2 barrels cement to pit. WOC.

RECEIVED
JAN 08 2013
DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct *(Printed/ Typed)*
Branden Arnold

Title

Signature

Date
01/04/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

Casing / Liner Detail

Well Snake Pete 10-23-3-3W

Prospect Central Basin

Foreman

Run Date:

String Type Surface, 9.625", 36#, J-55, LTC (Generic)

- Detail From Top To Bottom -

Depth	Length	JTS	Description	OD	ID
1,020.96			18' KB		
18.00	1.42		Wellhead		
19.42	956.00	22	9 5/8 Casing	9.625	
975.42	1.54		Float Collar	9.625	
976.96	44.00	1	Shoe Joint	9.625	
1,020.96	1.90		Guide Shoe	9.625	

Cement Detail

Cement Company: BJ

Slurry	# of Sacks	Weight (ppg)	Yield	Volume (ft^3)	Description - Slurry Class and Additives
Slurry 1	460	15.8	1.17	538.2	Class G+2%kcl+.25#CF

Stab-In-Job?	No
BHT:	0
Initial Circulation Pressure:	
Initial Circulation Rate:	
Final Circulation Pressure:	
Final Circulation Rate:	
Displacement Fluid:	Mud
Displacement Rate:	
Displacement Volume:	74.3
Mud Returns:	

Centralizer Type And Placement:
Middle of first, top of second and every other for a tolal of five

Cement To Surface?	Yes
Est. Top of Cement:	0
Plugs Bumped?	Yes
Pressure Plugs Bumped:	967
Floats Holding?	No
Casing Stuck On / Off Bottom?	No
Casing Reciprocated?	No
Casing Rotated?	No
CIP:	22:32
Casing Wt Prior To Cement:	
Casing Weight Set On Slips:	

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: 1420H626187

1a. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☑ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: _____

6. If Indian, Allottee or Tribe Name: UINTAH AND OURAY

7. Unit or CA Agreement Name and No.:

2. Name of Operator: NEWFIELD PRODUCTION COMPANY

8. Lease Name and Well No.: SNAKE PETE 10-23-3-3W

3. Address: ROUTE #3 BOX 3630, MYTON, UT 84052

3a. Phone No. *(include area code)*: Ph:435-646-3721

9. API Well No.: 43-013-51438

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: 1982' FSL 1980' FEL (NW/SE) SEC 23 T3S R3W

At top prod. interval reported below

At total depth

10. Field and Pool or Exploratory: UNDESIGNATED

11. Sec., T., R., M., on Block and Survey or Area: SEC 23 T3S R3W Mer UBM

12. County or Parish: DUCHESNE

13. State: UT

14. Date Spudded: 12/05/2012

15. Date T.D. Reached: 01/26/2013

16. Date Completed: 03/07/2013 ☐ D & A ☑ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*: 5260' GL 5278' KB

18. Total Depth: MD 10035' TVD 10034'

19. Plug Back T.D.: MD 9914' TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DUAL IND GRD, SP, COMP. NEUTRON, GR, CALIPER, CMT BOND

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13-1/2"	9-5/8" J-55	36	0'	1023'		460 CLASS G			
8-7/8"	7" P-110	26	0'	8025'		315 Bondcem		0'	
						750 Versacem			
6-1/4"	4.5" P-110	11.6	7611'	10029'		260Expandacem			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@8149'							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River	8188'	8201'	8188' - 8201' MD	0.34	18	
B) Wasatch	8830'	9664'	8830' - 9664' MD	0.34	120	
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
8188' - 9664' MD	Frac w/ 658,445#s of 20/40 Super LC and 136,610 20/40 white sand in 13,858 bbls of Lightning 17 fluid, in 5 stages.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
2/10/13	2/20/13	24	→	383	289	290			GAS LIFT

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					PRODUCING

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GARDEN GULCH MARK	6077'
				GARDEN GULCH 1	6344'
				GARDEN GULCH 2	6499'
				DOUGLAS CREEK	7214
				CASTLE PEAK	8141'
				UTELAND BUTTE	8446'
				WASATCH	8565'
				WASATCH 30	9424'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
- ☐ Geologic Report
- ☐ DST Report
- ☑ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
- ☐ Core Analysis
- ☑ Other: Drilling daily activity

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* Heather Calder Title Regulatory Technician

Signature Heather Calder Date 04/03/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Job Number: UT13600
Company: Newfield Exploration
Lease/Well: Snake Pete 10-23-3-3W
Location: Sec 23, T3S, R3W
Rig Name: Pioneer 69
RKB: 18
G.L. or M.S.L.: GL 5260

State/Country: UT/USA
Declination: 11.29
Grid: True
File name: C:\WINSERVE\UT13600.SVY
Date/Time: 23-Jan-13 / 08:46
Curve Name: Snake Pete 10-23-3-3W

Payzone Directional"

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane .00
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
132.00	.97	340.14	131.99	1.05	-.38	1.05	1.12	340.14	.73
162.00	1.14	343.12	161.99	1.58	-.55	1.58	1.67	340.67	.60
221.00	.97	334.16	220.98	2.59	-.94	2.59	2.75	340.02	.40
251.00	.70	331.10	250.98	2.98	-1.14	2.98	3.19	339.04	.91
312.00	.62	335.87	311.97	3.60	-1.45	3.60	3.89	338.01	.16
342.00	.62	328.32	341.97	3.89	-1.61	3.89	4.21	337.56	.27
372.00	.70	318.82	371.97	4.17	-1.81	4.17	4.54	336.48	.45
402.00	.75	315.57	401.97	4.44	-2.07	4.44	4.90	335.02	.22
432.00	.92	321.68	431.96	4.77	-2.36	4.77	5.32	333.71	.64
462.00	1.01	315.48	461.96	5.15	-2.69	5.15	5.81	332.40	.46
492.00	1.10	321.77	491.95	5.56	-3.06	5.56	6.35	331.23	.49
522.00	.83	319.09	521.95	5.96	-3.38	5.96	6.85	330.45	.91
552.00	.70	304.45	551.95	6.22	-3.67	6.22	7.22	329.47	.78
582.00	.53	301.20	581.94	6.40	-3.94	6.40	7.51	328.38	.58
612.00	.53	277.21	611.94	6.49	-4.20	6.49	7.73	327.11	.73
642.00	.57	273.52	641.94	6.51	-4.48	6.51	7.91	325.47	.18
672.00	.62	263.10	671.94	6.50	-4.79	6.50	8.08	323.62	.40
702.00	.53	269.82	701.94	6.48	-5.09	6.48	8.24	321.86	.37
732.00	.75	267.63	731.94	6.48	-5.43	6.48	8.45	320.03	.74
762.00	.66	271.67	761.93	6.47	-5.80	6.47	8.69	318.16	.34
792.00	.88	276.90	791.93	6.51	-6.20	6.51	8.98	316.39	.77
822.00	1.01	257.20	821.93	6.47	-6.68	6.47	9.31	314.09	1.16
852.00	1.20	270.70	851.92	6.42	-7.26	6.42	9.69	311.50	1.07
882.00	1.01	257.50	881.92	6.37	-7.83	6.37	10.09	309.12	1.05
912.00	.88	267.01	911.91	6.30	-8.32	6.30	10.43	307.13	.68
942.00	.73	278.12	941.91	6.31	-8.74	6.31	10.78	305.85	.72

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
972.00	.84	268.07	971.91	6.33	-9.14	6.33	11.12	304.70	.59
1020.00	.25	242.81	1019.90	6.27	-9.59	6.27	11.46	303.19	1.30
1113.00	.02	104.62	1112.90	6.17	-9.75	6.17	11.54	302.34	.29
1205.00	.00	224.98	1204.90	6.17	-9.74	6.17	11.53	302.36	.02
1298.00	.04	137.62	1297.90	6.15	-9.72	6.15	11.50	302.32	.04
1392.00	.08	339.19	1391.90	6.18	-9.72	6.18	11.52	302.47	.13
1485.00	.00	48.47	1484.90	6.24	-9.74	6.24	11.57	302.66	.09
1578.00	.00	44.56	1577.90	6.24	-9.74	6.24	11.57	302.66	.00
1671.00	.00	115.42	1670.90	6.24	-9.74	6.24	11.57	302.66	.00
1764.00	.00	244.53	1763.90	6.24	-9.74	6.24	11.57	302.66	.00
1919.00	.02	359.68	1918.90	6.27	-9.74	6.27	11.59	302.78	.01
2074.00	.00	327.61	2073.90	6.30	-9.74	6.30	11.60	302.89	.01
2229.00	.25	307.92	2228.90	6.51	-10.01	6.51	11.94	303.03	.16
2384.00	.18	32.44	2383.90	6.92	-10.14	6.92	12.28	304.30	.19
2539.00	.10	140.79	2538.90	7.02	-9.93	7.02	12.16	305.27	.15
2694.00	.25	139.54	2693.90	6.66	-9.62	6.66	11.70	304.68	.10
2849.00	.00	178.33	2848.90	6.40	-9.40	6.40	11.38	304.24	.16
3004.00	.23	267.40	3003.90	6.39	-9.71	6.39	11.63	303.32	.15
3160.00	.00	211.60	3159.90	6.37	-10.03	6.37	11.88	302.44	.15
3315.00	.00	169.77	3314.90	6.37	-10.03	6.37	11.88	302.44	.00
3470.00	.14	324.06	3469.90	6.53	-10.14	6.53	12.06	302.77	.09
3625.00	.00	.00	3624.90	6.68	-10.25	6.68	12.23	303.09	.09
3780.00	.10	76.67	3779.90	6.71	-10.12	6.71	12.14	303.55	.06
3935.00	.00	98.64	3934.90	6.74	-9.99	6.74	12.05	304.02	.06
4091.00	.18	219.77	4090.90	6.55	-10.14	6.55	12.08	302.87	.12
4246.00	.23	83.00	4245.90	6.40	-9.99	6.40	11.87	302.66	.25
4401.00	.27	144.00	4400.90	6.15	-9.47	6.15	11.29	303.00	.17
4556.00	.00	47.81	4555.90	5.85	-9.25	5.85	10.95	302.31	.17
4711.00	.29	244.40	4710.90	5.68	-9.61	5.68	11.16	300.60	.19
4866.00	.40	165.78	4865.89	4.99	-9.83	4.99	11.02	296.91	.29
5021.00	.18	202.26	5020.89	4.24	-9.79	4.24	10.66	293.42	.18
5176.00	.16	237.76	5175.89	3.90	-10.06	3.90	10.79	291.17	.07
5332.00	.37	317.37	5331.89	4.15	-10.59	4.15	11.37	291.41	.24
5487.00	.06	161.79	5486.89	4.44	-10.90	4.44	11.77	292.18	.27
5642.00	.00	25.29	5641.89	4.37	-10.87	4.37	11.72	291.87	.04
5797.00	.18	227.16	5796.89	4.20	-11.05	4.20	11.82	290.81	.12
5952.00	.27	204.60	5951.89	3.70	-11.38	3.70	11.97	288.02	.08
6107.00	.08	245.03	6106.89	3.32	-11.63	3.32	12.10	285.95	.14
6263.00	.16	78.03	6262.89	3.32	-11.52	3.32	11.99	286.10	.15
6418.00	.61	284.88	6417.88	3.58	-12.11	3.58	12.62	286.48	.49
6573.00	.00	19.23	6572.88	3.79	-12.90	3.79	13.45	286.38	.39
6728.00	.20	55.28	6727.88	3.95	-12.68	3.95	13.28	287.29	.13
6883.00	.18	119.52	6882.88	3.98	-12.25	3.98	12.88	288.01	.13
7038.00	.18	154.36	7037.88	3.64	-11.93	3.64	12.47	286.97	.07
7193.00	.00	12.07	7192.88	3.42	-11.82	3.42	12.31	286.14	.12
7348.00	.22	159.79	7347.88	3.14	-11.72	3.14	12.13	285.01	.14
Last Survey With RSS									
7503.00	.33	189.12	7502.88	2.42	-11.69	2.42	11.94	281.71	.11
7645.00	1.00	157.80	7644.87	.87	-11.29	.87	11.32	274.42	.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7800.00	1.40	221.30	7799.84	-1.80	-12.02	-1.80	12.16	261.47	.84
Intermediate Casing									
7955.00	1.80	204.20	7954.78	-5.45	-14.27	-5.45	15.28	249.11	.40
8102.00	2.40	200.70	8101.68	-10.43	-16.31	-10.43	19.36	237.39	.42
8261.00	2.50	203.30	8260.53	-16.73	-18.85	-16.73	25.21	228.42	.09
8418.00	2.20	193.40	8417.40	-22.81	-20.91	-22.81	30.94	222.51	.32
8576.00	2.20	189.50	8575.29	-28.75	-22.11	-28.75	36.27	217.56	.09
8735.00	2.20	186.20	8734.17	-34.79	-22.94	-34.79	41.68	213.40	.08
8893.00	2.10	187.20	8892.06	-40.68	-23.63	-40.68	47.05	210.16	.07
9050.00	2.40	177.00	9048.94	-46.82	-23.82	-46.82	52.53	206.97	.32
9208.00	1.50	167.00	9206.85	-52.13	-23.18	-52.13	57.06	203.97	.61
9367.00	1.20	152.90	9365.80	-55.64	-21.96	-55.64	59.82	201.53	.28
9525.00	1.20	168.00	9523.77	-58.74	-20.86	-58.74	62.33	199.55	.20
9683.00	1.40	168.20	9681.73	-62.24	-20.12	-62.24	65.41	197.91	.13
9841.00	1.40	170.70	9839.68	-66.04	-19.41	-66.04	68.83	196.38	.04
9993.00	1.30	166.60	9991.64	-69.55	-18.72	-69.55	72.02	195.06	.09
Projected to Bit									
10035.00	1.30	166.60	10033.63	-70.47	-18.49	-70.47	72.86	194.70	.00

Daily Activity Report

Format For Sundry

SNAKE PETE 10-23-3-3W

12/1/2012 To 4/28/2013

1/28/2013 Day: 1 **Completion**

Rigless on 1/28/2013 - clean up location dirt work , Install cameron 10' 5k x 7 1/ 16" 10k well head. Installed 7 1/16 10k HCR valve - clean up location dirt work , Install cameron 10' 5k x 7 1/ 16" 10k well head. Installed 7 1/16 10k HCR valve. Rig up weatherford to test void on tbg head w/ chart to 5000psi. Rd weatherford test unit.RD B& G crane.
Daily Cost: $0
Cumulative Cost: $75,536

1/30/2013 Day: 2 **Completion**

Rigless on 1/30/2013 - waiting for construction crew to finish flow lines to well head. - waiting for construction crew to finish flow lines to well head.
Daily Cost: $0
Cumulative Cost: $82,132

1/31/2013 Day: 3 **Completion**

Rigless on 1/31/2013 - RU JW wire line to run CBL log ,RU weatherford to test 7 1/16 10k frac stack. Move in frac tanks. - Conduct PJSM, NU 7 1/16 10k frac stack . RU Weatherford test unit and test 10k frac stack per NFX procedure. Set rig anchors and pull test to 20K. CT clean out fluid has been treated and heated as well. Well has been SI and secured. SDFN - Hold safety meeting review JSA 's. RU B&G Crane .RU weatherford test unit test 7 1/16" 10k HCR valve . POOH w/ tbg hanger & 2 way check valve . - Conduct PJSM, RU JW wireline 5k lubricator RIH w/ 3.75 Gauge tool. Stacked out w/ 3.75 " gauge tool @4410' . Reported tag to newfield supv. POOH w/ 3.75 gauge tool found mud in tool took sample .RD JW wire line .
Daily Cost: $0
Cumulative Cost: $106,426

2/1/2013 Day: 4 **Completion**

Rigless on 2/1/2013 - Con't to spot in frac tank's . RU flow back ,sand trap , manifold , plug catcher and hardline to well head. Test all hard line .RU CUDD CT unit - CUDD CT made it 4300 feet stopped there to do a pull test weighing 13,900 pounds. Started RIH @ 60 ft/min. pumping 3 bbls a minute. Didn?t see anything @ 4410 feet where J-W Wireline tagged up. CUDD CT to continue to wash down to PBTD. - CUDD CT washed down and tagged up at 9914 feet. Picked up 5 feet and went back down and tagged again at 9914 feet. Pumped a 20 bbl sweep and pumped 2.5 times well bore volume. CUDD CT started POOH. - Conduct PJSM. RIH with High Velocity Wash Nozzle, Duel BPV circulating .5 BPM to 4,300' and then increasing circulating rate to 3 bpm at 2560 psi. - PU Weatherford 2.875" OD Dual BPV and 2.875" OD High Velocity Wash Nozzle with ball seat. Test Dual BPV to 250 psi low and 4500 psi high. Perform shell test to 250 psi low and 9,500 psi high. - Well is SI weatherford is on location to test flow back hard lines . Rock Water will transfer water fromFlow back tank to equalizing tank. CUDD CT unit showed up w/ all equip about 9:00am. Held safety meeting reviewed JSA w/ CUDD CT crew - Reviewed JSA w/ Weatherford & Rock Water started Transferring water to Equalizing tank. Weatherford Testing all hardline & manifold to 10000 psi. Conduct PJSM. MIRU Cudd 2? CTU, fluid pump and crane. (Note: Make sure all stack components are rated

for min. of 10K) - PU Weatherford 2.0" OD Slip type coil tubing connector, Pull test to 25,000 lbs. Pressure test coil tubing and coil connector to 250 psi low and 9,500 psi high. - Test well control stack components to 250 psi low and 9,500 psi high per NFX test procedure.
Daily Cost: $0
Cumulative Cost: $139,182

2/2/2013 Day: 5 **Completion**

Rigless on 2/2/2013 - CUDD CT cleaned out drilling mudd, RD CUDD coil tubing and do the bond log. ND frac stack NU BOP stack. And MIRU Mountain States Rig. - RD CUDD CT unit, Pump truck and N2 unit. RDMO location. - no activity on well - Held safety meeting review JSA w/ JW wireline. MIRU JW wireline spotted in crane PU 7" 5k lubricator. MU 3 .75 Gauge tool. Open well . RIH w/ 3.75 Gauge tool. Tag @7618 POOH w/ 3.75 gauge tool found CMT chip in tool . Called Newfield supv . RIH w/ 3.50 gauge tool. Made hole f/7618' to 7639'. RDMO JW wire line . - Frontier is to ND 7 1/6th 10k Frac stack (which consists of two manual valves and a flowcross)to the HCR valve with J-W Wireline Crane. - Frontier put the 7 1/16th 10k night cap on top of the HCR valve. Well is securde waiting on weatherford BOP stack to show up. - Hot shot showed up with weatherford 7 1/16th 5k BOP stack which consists of 7 1/16th 10k to 7 1/16th 5k spool, 7 1/16th BOP with blind rams then 2 3/8th pipe rams,7 1/16th 5k flowcross with double outlets, 7 1/16th BOP with single 2 3/8th pipe rams and 5k annular. Accumulator with hundred foot hoses. - Weatherford hands set 7 1/16th 10k to 7 1/16th 5k spool, 7 1/16th BOP with blind rams then 2 3/8th pipe rams,7 1/16th 5k flowcross with double outlets, 7 1/16th BOP with single 2 3/8th pipe rams and 5k annular. And torgued each flange as it went on the stack. Using J-W wirelines crane to do the lifting. - CUDD CT to continue to POOH after cleaning up drilling mudd that was left in the well. OOH.
Daily Cost: $0
Cumulative Cost: $186,938

2/3/2013 Day: 6 **Completion**

MWS #731 on 2/3/2013 - NU BOP stack, Pressure test BOP stack and MIRI Mountain States Rig. Unload tbng and talley 1st row. Make up BHA. Trip in to liner top. Rig up pwr swivel. - Weatherford hands are setting 7 1/16th 10k to 7 1/16th 5k spool, 7 1/16th BOP with blind rams then 2 3/8th pipe rams,7 1/16th 5k flowcross with double outlets, 7 1/16th BOP with single 2 3/8th pipe rams and 5k annular. And torgued each flange as it went on the stack. Using J-W wirelines crane to do the lifting. - Weatherford Started pressure testing the BOP stack. RD JW wire line. Move in Mountain states rig . RU guy out rig . Spot in rig pump & screen. Finished pressure testing BOP stack. - spot in tbg racks hydra walk off load 332 jts 2 3/8" L-80 tbg .QT cleaning & prep tbg . Spot in hydro walk. - PJSM w/ MSWS. - Make up Bha. 3-7/8" cone Bit, Tbng scraper for 4.5" casing, X-over sub, 1 Jt of 2-3/8" L-80 4.7#pf tbng, and X-nipple. Begin tripping in well with tbng.Ran in hole with 111 jts of 2-3/8" L-80 4.7#pf tbng. EOT-3441 - Move tbng to racks and talley. Continue tripping in well. 233 jts of 2-3/8" L-80 tbng in well. EOT-7210 - Move tbng to racks and talley. Pick up 12 jts to be at-7581. - Rig up power swivel. - QT Casing finished Insp 2 3/8 L-80 tbg. RBS drop off 3.875" BIT & 4 1/2 allweight Scraper
Daily Cost: $0
Cumulative Cost: $225,512

2/4/2013 Day: 7 **Completion**

MWS #731 on 2/4/2013 - Rih. Circulate by liner top. Continue rih to PBTD. Circ 2 full bottoms up. Pooh. Lay down work string. ND BOP stack. Begin nippling up frac stack. - Went to open valves on frac tanks closest to the rig pump. All valves on the 5 tanks were frozen and the

fluid in the tanks was frozen. Went to get more suction hoses to reach the tanks that were not frozen and the valves would work. - L/D all 2 3/8? L-80 on pipe racks (321 jts). Installed tbg hgr w/ TWCV, Drop guy wires & R/D Mountain States. Planned move rig to side of location for MOB to Evelyn pad in the a.m., N/D BOP stack w/ Frontier & Set out with JW crane, N/U Frontier frac stack & test. - L/D swivel, POOH L/D 321 jts tbg - Swivel into jt #298, circ 60 bbls, swivel into jt #320, circ 2 btms up (565 bbls), - Finish rigging up pwr swivel and lines. - Begin swiveling in well slowly with tbg. Rih w/273 jts of 2-3/8" L-80 tbng to be at 8445.72, Circ 60 bbls. - Begin reverse circulating to clean out 7" casing annulus before entering liner top with bit. 3 bbls per min at 250 psi. Pick up jt 246 and circulate jt down to be at 7612. Never saw liner top at 7611. Picked up jt 247 and circulated all the way down. Never saw tag. Eot-7643.Pick up jt 248 and ran without circulating. Eot-7673. Pumped 340 bbls of fresh water in well. Getting back very small pieces of shale and cement in returns.
Daily Cost: $0
Cumulative Cost: $254,432

2/5/2013 Day: 8 **Completion**

MWS #731 on 2/5/2013 - RU Frontier 7 1/16" 10k frac stack . Test frac stack 250psi low & 10000psi high . Rock Water will RU all flowback lines .test flow back lines 10K . RNI will Con't loading frac tanks. - Pick up perf gun. Make up Lubricator and test lube to 5000 psi. 27 frac tanks are full of fresh water. 14 frac tanks are heated. - Rig up pressure tester to test casing to 8000 psi according to Newfield testing procedure. - M/U CCL/CBL and RIH w/ W/L to 9,910'. Log up to TOC w/ no pressure on 7". Stop @ 4,400' and RIH to 9,910'. Weatherford test pump pressure up 7" to 1500psi. POOH logging to surface. Out of well with logging tool. Shut frac valve and bleed off. Lay down logging tool. Correlate logs. - RIHw/ CCL/JB/GR(3.75 OD) to 7611' tie into liner top. Cont. RIH to 9,910. POOH w/ JW Wireline. OOH close tool trap and SIW. R/D CCL/JB/GR. R&I has 20 tanks full of F/W 14 left to fill. 35 tanks total on location and Brine tank has 300bbls loaded. 12 tanks currently heated. - Fittings on chart recorder are leaking. Wait for frontier to fix fittings. Fixed fittings on recorder & Chart will not record. - Prepare to pressure test Frac stack and flowback by Newfield testing procedure. - Continue Nippling up 7-1/16" 10 M frac stack. Hcr valve was already on well. Nippled up Manual 7-1/16" 10K frac valve and torque. Nippled up 10K 7-1/16" flow cross with dual double 2-1/16" outlets. Nippled up 10K manual frac valve. Nippled up 7-1/16" 10K Test flange on top of frac stack. And torqued. - RU Weatherford test unit to test 7 1/16? 10k frac Stack .Rock Water hooking up flow back lines. Tester will test lines & valves when he is finished w/ frac stack. J W wireline MIRU wire truck . RU lubricator and grease package.
Daily Cost: $0
Cumulative Cost: $279,439

2/6/2013 Day: 9 **Completion**

MWS #731 on 2/6/2013 - RU JW wire line to run CBL log .Con't loading frac tanks w/ fresh water. MI hot oil trucks to heat frac tanks . Con't to heat frac stack until Baker frac crew starts MI frac equip. - Continue filling frac tanks and heating frac tanks. At 0400-31 tanks full and 17 heated.35 tanks full and 7 tanks left to heat . Baker Frac sand trailer on location w/ water manifold. - Baker Frac crew Has sand chief's spotted currently making up water manifold .Perfferd hot oil has 1hr left of heating frac tank's. sand trucks are loading sand chief's. 13 trucks of sand . - Waiting on Baker Hughes frac to arrive, 1 load of sand delivered, secured tarps on wellhead. - Rih w/ perf gun to. 9640.5. Perfed as follows. Bottom zone 9664 to 9662 3spft. 6 total shots. 9602 to 9600. 3spf. 6 total shots. 9567 to 9566. 2spft. 6 total shots. 9522 to 9520 6 spft. 2 total shots. 9483 to 9482. 3 shots perf ft. 3 total shots. 9435 to 9434. 3 shots per ft. 3 total shots. Pooh with wireline.Tarp wellhead in and hook up heater hoses.
Daily Cost: $0

Cumulative Cost: $408,699

2/7/2013 Day: 10 **Completion**

Rigless on 2/7/2013 - Wait on Frac crew. Spot and rig up frac crew. Frac stages 1,2,3. Set plug for stage 4 - Held PJSM. RU WL Test to 8,500 Psi. OK. RIH. Wellhead pressure 4,076 Psi. Rih with Halliburton 10 K osidion frac plug and set at 8980. - Hydraulic Fracture Deep Wasatch stage #3 as follows: Break down 2.4 bpm @ 4875 psi. Avg rate: 47 bpm, Avg press: 7081 psi, Max rate: 60 bpm, Max press: 7,575 Psi. FG.0.931, ISIP: 4700PSI, 5 MIN: 4,508 psi, 10 MIN: 4,391 psi. 15 MIN: NA psi. Total 20/40 White: 150,673 lbs, Total 15% FE acid 26bbls. Total load to recover 277 Bbls. Average horsepower-8209. Pressure tested lines to 8966. Calculated 20 holes open, 509 psi perf friction. 719 psi NWB as per frac pro. Pressure lined out at 58 bbls per min on 0.5 ppa stage. Rate dropped from 58 bpm to 38 bpm with 0.75ppg on formation. Started to see some relief with XL fluid on. Brought rate up as pressure allowed. Flushed with 314.6 bbls. Cost for this frac stage-91,580.97 - Held PJSM. RU WL Test to 8,500 Psi. OK. RIH. Wellhead pressure 4,076 Psi. , Set Plug #2@ 9,185. ' Perforate Stage#3 at (9,171-9,169'), (9,137-9,135'), (9,104'-9,102').(9,053'-9,051').(8,999-8.997) 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 3 - Hydraulic Fracture Deep Wasatch stage #2 as follows: Break down 2.5 bpm @ 4885 psi. Avg rate: 35 bpm, Avg press: 7315 psi, Max rate: 60 bpm, Max press: 7,775 Psi. FG.0.959, ISIP: 4600PSI, 5 MIN: 4,490 psi, 10 MIN: 4,400 psi. 15 MIN: NA psi. Total 20/40 White: 154,345 lbs, Total 15% FE acid 630 gal. Total load to recover 2767 Bbls. Calculated 20 holes open. 1034 psi perf friction. 423 psi NWB as per frac pro. Able to get 60 bbls per min during SW pad but had to reduce rate to 22 bpm when 0.5ppg SW prop reached perfs. Stage from 0.75 ppg SW to 0.75ppg Xlink fluid early, slowly worked rate up to 42 bbls per min bu the end of the job. Let hopper get low on 6 ppg stage. Caused dip in prop concentration. Able to place job completely. No problems during flush.Average Horsepower-6185. Cost for this stage $90,533.68 - Downtime waiting on BJ to fix pop off on pump not working properly. - . RU JW wireline RU 5-1/2" 10K lubricator, verify guns are loaded and plug is as specified below, pick-up toolstring and make-up lubricator. Function test both wireline rams Test lubricator to 8500 psi for 5 minutes against upper manual frac valve with no pressure departure. RIH and set plug @9410' PU pref stage 2 @9388' - 9201 Ensure location is under radio silence when the BHA is within 200 ft of surface. POOH w/ spent guns . RD lubricator. - Pressure testing Frac line & goat head.Start pumping stage 1 with frac company proposal as per "Frac Summary" sheet. Obtain 1 min ISIP and 1, 5, 10 & 15 min ISDP. Shut well in with upper and lower manual frac valves. - WE are having problem w/ pressure transducers. We have E tech coming out to check out problem.Repair is fixed - Baker Frac crew RU frac equip. hammer up lines , Install 10K frac goat head . Hold safety meeting review JSA w/ everyone on location . Prime all pump's & Frac Iron . - MIRU Baker frac crew - Waiting on frac crew to arrive on loc.
Daily Cost: $0
Cumulative Cost: $353,368

2/9/2013 Day: 12 **Completion**

Nabors #1450 on 2/9/2013 - Finish Drilling frac plugs. Pump bottoms up. - Make up connections to get to TD at 9910'. Backside flowing at 3000 PSI on 24/64 choke. Up weight 30K and down weight 25K. Tag fill at 9776' on joint 317 23' up. Clean sand at 3.2 BPM at 4200 PSI. on tbg. 2800 PSI on backside with 24/64 choke. Get 321 joints in To depth of. (TD at 9910'). - Rih with perf gun. Perforate Stage#4 at (8959-8957'), (8925-8923'), (8894'-8892').(8871'-8869').(8827-8825) 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 4. Plug set at-8980,Hydraulic Fracture Deep Wasatch stage #4 as follows: Break down 2.6 bpm @ 6890 psi. Avg rate: 54 bpm, Avg press: 6335 psi, Max rate: 61 bpm, Max press: 8160 Psi. FG.0.905, ISIP: 4366PSI, 5 MIN: 4,278 psi, 10 MIN: 4,212 psi. 15 MIN: 4169 psi. Total 20/40 White: 178,921 lbs, Total 15% FE acid 16bbls. Total load to

recover 2993 Bbls. Average horsepower-8400. Pressure tested lines to 8390 psi.Calculated 15 holes open, 1429 psi perf friction. 461 psi NWB as per frac pro. Well pressured out at start. Finally broke back on 3rd attempt. During FET pressure came up, got back into job. Well pressured out again. Surged well back and worked up rate. Well kept breaking back. Displaced acid before starting prop.CRB channel not coming across frac pro. Ran rough on the higher concentration stages. Pumped extra prop on this stage to use up prop that was running short on previous stages. RU WL Test to 8,500 Psi. OK.. Wellhead pressure 4,170 Psi. Went to open top matser valve. Frozen. Working on thawing out top master valve. Could only get it turn 8 rounds. Found out top was bled off. Equalized valve over and open frac valve. - RU JW wireline RU 5-1/2" 10K lubricator, verify guns are loaded and plug is as specified below, pick-up toolstring and make-up lubricator. Function test both wireline rams Test lubricator to 8500 psi for 5 minutes against upper manual frac valve with no pressure departure. RIH and set plug @8241' PU pref stage 5 @8194' - 8181 Ensure location is under radio silence when the BHA is within 200 ft of surface. POOH w/ spent guns . RD lubricator. - RU JW wireline RU 5-1/2" 10K lubricator, verify guns are loaded and plug is as specified below, pick-up toolstring and make-up lubricator. Function test both wireline rams Test lubricator to 8500 psi for 5 minutes against upper manual frac valve with no pressure departure. RIH and set plug @8241' PU pref stage 5 @8194' - 8181 Ensure location is under radio silence when the BHA is within 200 ft of surface. POOH w/ spent guns . RD lubricator. - - Hydraulic Fracture Deep Wasatch stage #5 as follows: Break down 3.1 bpm @ 3540 psi. Avg rate: 54 bpm, Avg press: 4815 psi, Max rate: 62 bpm, Max press: 5455 Psi. FG.0.894, ISIP: 3765PSI, 5 MIN: 3550 psi, 10 MIN: 3485 psi. 15 MIN: 3445 psi. Total 20/40 White: 141020 lbs,20/40/SLC 20192lbs, Total 15% FE acid 15bbls. Total load to recover 2412 Bbls. Average horsepower-8400. Pressure tested lines to 8965 psi.Calculated 18 holes open, 529 psi perf friction. 163 psi NWB as per frac pro.RIH w/ wireline to set kill plug @ 8072' and RDMO Baker Hughes. - - Hydraulic Fracture Deep Wasatch stage #5 as follows: Break down 3.1 bpm @ 3540 psi. Avg rate: 54 bpm, Avg press: 4815 psi, Max rate: 62 bpm, Max press: 5455 Psi. FG.0.894, ISIP: 3765PSI, 5 MIN: 3550 psi, 10 MIN: 3485 psi. 15 MIN: 3445 psi. Total 20/40 White: 141020 lbs,20/40/SLC 20192lbs, Total 15% FE acid 15bbls. Total load to recover 2412 Bbls. Average horsepower-8400. Pressure tested lines to 8965 psi.Calculated 18 holes open, 529 psi perf friction. 163 psi NWB as per frac pro.RIH w/ wireline to set kill plug @ 8072' and RDMO Baker Hughes. - RDMO JW Wireline and BJ Frac, N/D Goathead, 7? manual valve, 7? flowcross, and N/U 5K Rig Bop?s. Nabors rig arrived on location @ 16:00hrs to begin R/U. Verified OD?s on BHA for Drillout w/ OD tape. - RDMO JW Wireline and BJ Frac, N/D Goathead, 7? manual valve, 7? flowcross, and N/U 5K Rig Bop?s. Nabors rig arrived on location @ 16:00hrs to begin R/U. Verified OD?s on BHA for Drillout w/ OD tape. - Nabors begin to R/U, Weatherford R/U pump unit & Rockwater still transferring water,Testing flowback & pipe rams w/ weatherford test unit, moving pipe racks & tbg. - Nabors begin to R/U, Weatherford R/U pump unit & Rockwater still transferring water,Testing flowback & pipe rams w/ weatherford test unit, moving pipe racks & tbg. - M/U BHA (1- 3.750? Hurricane Insert mill w/ 2 3/8 pin up .35?, 2 3/8? reg box x pin float sub with 1r float .90?, 1- BRS20 bit release sub with 1R float O.D. 3.250? x 1.77?L, 1 jt 2 3/8? tbg, 1- 2 3/8? X nipple w/ 1.875? seal bore w/ 2 3/8? n80 coupling, Had to switch hydraulic hoses on stack, RIH w/ 101jts 3120.68? - M/U BHA (1- 3.750? Hurricane Insert mill w/ 2 3/8 pin up .35?, 2 3/8? reg box x pin float sub with 1r float .90?, 1- BRS20 bit release sub with 1R float O.D. 3.250? x 1.77?L, 1 jt 2 3/8? tbg, 1- 2 3/8? X nipple w/ 1.875? seal bore w/ 2 3/8? n80 coupling, Had to switch hydraulic hoses on stack, RIH w/ 101jts 3120.68? - RIH w/ tbg t/ 8072', RU Power swivel . Rock water ready to start drilling out kill plug - RIH w/ tbg t/ 8072', RU Power swivel . Rock water ready to start drilling out kill plug - Shut well in and Rig down power swivel. - Shut well in and Rig down power swivel. - . Begin circulating bottoms up X 2 (560 BBL.). Tbg. Pressure 4800 PSI @3.8 BPM backside @ 2900 PSI with 30/64 choke. Pick up and stroke tbg up and down while circulating. 33K up weight and 27K down weight. Tbg PSI 4800 @3.3 BPM and backside 2900 PSI on 28/64 choke. Kick out pump-pumped total of 560 bbl. Shut in backside. Pumped 2 gal sweep. 30 bbls spacer and then a 3 gallon sweep of polymer to clean hole. Total bbls pumped for the day -867. After we drilled each plug. We pumped a 1 gallon polymer sweep behind it to carry the cuttings to surface. - . Begin circulating bottoms up X 2 (560 BBL.). Tbg. Pressure

4800 PSI @3.8 BPM backside @ 2900 PSI with 30/64 choke. Pick up and stroke tbg up and down while circulating. 33K up weight and 27K down weight. Tbg PSI 4800 @3.3 BPM and backside 2900 PSI on 28/64 choke. Kick out pump-pumped total of 560 bbl. Shut in backside. Pumped 2 gal sweep. 30 bbls spacer and then a 3 gallon sweep of polymer to clean hole. Total bbls pumped for the day -867. After we drilled each plug. We pumped a 1 gallon polymer sweep behind it to carry the cuttings to surface. - Make up connections to get to TD at 9910'. Backside flowing at 3000 PSI on 24/64 choke. Up weight 30K and down weight 25K. Tag fill at 9776' on joint 317 23' up. Clean sand at 3.2 BPM at 4200 PSI. on tbg. 2800 PSI on backside with 24/64 choke. Get 321 joints in To depth of. (TD at 9910'). - Rih with perf gun. Perforate Stage#4 at (8959-8957'), (8925-8923'), (8894'-8892').(8871'-8869').(8827-8825) 120 degrees, 3 spf, POOH, all shots fired WL Turn well over to Baker to Frac Stage 4. 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Working on thawing out top master valve. Could only get it turn 8 rounds. Found out top was bled off. Equalized valve over and open frac valve. - Pjsm with night crew. Finished drilling 3rd frac plug. Picked up 7 jts. Tagged Frac plug 4 at 9404. Cleaned out 20' of sand. Tagged the plug at 9424.Begin drilling plug 4200 PSI tbg. And 3000 PSI on backside with 24/64 .choke. 6K to 8K on plug while drilling. Pumping 3 BPM Make another connection to finish drilling frac plug #4. Fell through plug-4200 PSI and 2900 PSI on backside with 24/64 choke. Kick pump out. - Pjsm with night crew. Finished drilling 3rd frac plug. Picked up 7 jts. Tagged Frac plug 4 at 9404. Cleaned out 20' of sand. Tagged the plug at 9424.Begin drilling plug 4200 PSI tbg. And 3000 PSI on backside with 24/64 .choke. 6K to 8K on plug while drilling. Pumping 3 BPM Make another connection to finish drilling frac plug #4. Fell through plug-4200 PSI and 2900 PSI on backside with 24/64 choke. Kick pump out. - Resume miling - Clean out 42' of sand. Tag 1st frac plug @ 8255', 267 joints in - pumping 3BPM with 3500psi. Backside pressure is 3000psi on 20/64 choke - Driller was running 6K through 8K on bit during milling. Fell through kill plug - 2800 psi on backside on a 20/64 choke. Tag 2nd frac plug @ 8995', 291 joints in up 2'. Start milling on 2nd frac plug - pumping 3 BPM with 4000 psi. Backside pressure is 3000psi on 24/64 choke. Driller was running 6K to 8K on bit while milling on plug.Through 2nd frac plug. 3000psi on backside on a 24/64 choke Tag 3rd frac plug @9199', 298 joints in up 15'. Begin milling on 3rd frac plug. 3BPM with 4200psi; 2900psi on backside on a 24/64 choke - Driller running 6K to 8K on bit while drilling on plug. Fell through plug-4200 PSI and 2900 PSI on backside with 24/64 choke. - Resume miling - Clean out 42' of sand. Tag 1st frac plug @ 8255', 267 joints in - pumping 3BPM with 3500psi. Backside pressure is 3000psi on 20/64 choke - Driller was running 6K through 8K on bit during milling. Fell through kill plug - 2800 psi on backside on a 20/64 choke. Tag 2nd frac plug @ 8995', 291 joints in up 2'. Start milling on 2nd frac plug - pumping 3 BPM with 4000 psi. Backside pressure is 3000psi on 24/64 choke. Driller was running 6K to 8K on bit while milling on plug.Through 2nd frac plug. 3000psi on backside on a 24/64 choke Tag 3rd frac plug @9199', 298 joints in up 15'. Begin milling on 3rd frac plug. 3BPM with 4200psi; 2900psi on backside on a 24/64 choke - Driller running 6K to 8K on bit while drilling on plug. Fell through plug-4200 PSI and 2900 PSI on backside with 24/64 choke. - Drilled out kill plug @8072 flow back @ 8/64 choke @ 2300 psi. RIH w/ 4 jts 2 3/8 tbg Started drilling out 4th plug@8249.Had drip coming of bop checked it out called Weatherford out to torque & retest bop .Con?t drilling out 4th plug. - Drilled out kill plug @8072 flow back @ 8/64 choke @ 2300 psi. RIH w/ 4 jts 2 3/8 tbg Started drilling out 4th plug@8249.Had drip coming of bop checked it out called Weatherford out to torque & retest bop .Con?t drilling out 4th plug.

Cumulative Cost: $476,441

2/10/2013 Day: 13 **Completion**

Nabors #1450 on 2/10/2013 - Pull tbng up to top perf. Make up hanger with 2way check installed. Circulate the stack to clean the bowl. Land well. Rig down pulling unit. ND BOP stack. Install tree. Pump off ball. Turn well over to production. - Continue tripping out of well laying down tbng to landing depth - 6 jts left to pull. Rig overheating. - Pulled 6 jts out of well. 263 jts in well. Make up tbng hanger with 2 way check installed. Landed well at-8148.69 on 18' of kb. - Rig down rig and equipment. - PJSM with Jw wireline and crew. Spot crane and rig up crane. ND 7 1/16 5k BOP stack. NU Cameron flow tree. RU Weatherford to pump off bit sub. - Conduct PJSM, Weatherford RU test unit and begin testing 10K Production tree per NFX proceedures. - Stand by for Production to RU Flow lines before we pump off bit sub. Weatherford prime and test pump while waiting. - Weatherford RDMO pump equipment. Secure well and hand over to Production. - Conduct PJSM, start at .4 bpm and seat ball. Sheared bit sub off at 4,800 psi. Displaced at 1.7 bpm with 3,600 psi and 10 bbls. SD ISIP: 3,200 psi.
Daily Cost: $0
Cumulative Cost: $531,246

2/11/2013 Day: 14 **Completion**

Rigless on 2/11/2013 - Released all vendors. Waiting on some to come get equipment. - All operations suspended - Released all vendors. Still waiting on Weatherford to pick up pump. And select rentals to pick up office trailer and light towers. Usenco has been notified to pick up bathrooms and trash dump. - Operations suspended.
Daily Cost: $0
Cumulative Cost: $987,220

3/1/2013 Day: 18 **Completion**

Rigless on 3/1/2013 - Capture Costs in DCR - Capture Costs in DCR
Daily Cost: $0
Cumulative Cost: $1,139,791

3/16/2013 Day: 19 **Completion**

Rigless on 3/16/2013 - Enter costs in DCR - Enter costs in DCR 3/26/13
Daily Cost: $0
Cumulative Cost: $1,219,209

2/16/2013 Day: 1 **Formation Testing**

Rigless on 2/16/2013 - Run production log w/ Halliburton Wireline Service. - POOH. RD & release Halliburton WL. - RIH w/ production logging tools & log to 9680'.POOH. - On location. Spot & RU Halliburton Wireline Services. Cut wax w/ SL on 2/15 & tag fill @ 9,937'. - OOH. RD & release Halliburton WL. - POOH. RD & release Halliburton WL. - RIH w/ production logging tools & log to 9680'.POOH. - On location. Spot & RU Halliburton Wireline Services. Cut wax w/ SL on 2/15 & tag fill @ 9,937'. - OOH. RD & release Halliburton WL.
Daily Cost: $0

Cumulative Cost: $16,577

2/26/2013 Day: 2 **Formation Testing**

Rigless on 2/26/2013 - MIRU HES logging Truck w/ Crane . RUN PL log RDMO - POOH w/PL tools LD Lubricator. RD crane . Move off LOC. - Hold safety meeting Review JSA MIRU HES LOG truck & crane rig up & function test Lubricator. - RIH w/ PL tools to 8160. DN 30' temp 206 Pressure @3456, RPS @5.52 . Up 30' temp @223, Pressure @3969, RPS -2.48. stage# 2 8810' DN 60' Temp 206 , Pressure @3377 ,RPS 7.91 .Up 60' Temp@223 ,Pressure @3932 ,RPS -5.42. Stage #3 8990' DN 90' Temp 208, Pressure @3376, RPS 9.45. UP 90' Temp 222, Pressure @3913, RPS -7.51. Stage #4 9185' DN 120' Temp 207, Pressure @3362, RPS 11.59. UP 120' Temp 222 ,Pressure @ 3904, RPS -11.28. Started Station Logs. - Stage #1 9414' Temp 218, Pressure @3799, RPS 0.47 , Density 0.87 , GHT rate 18307. Stage #2 9185' Temp 215 , Pressure @ 3711 , RPS 1.46, Density 0.87, GHT rate 18423. Stage #3 8990' temp 213, Pressure @3637, RPS 1.61, Density 0.87, GHT rate 18501. Stage #4 8810' Temp 210, Pressure @3572,RPS 2.85, Density 0.82, GHT rate 18027. Stage #5 8160' Temp 207, Pressure @3340 , RPS 2.75, Density 0.79, GHT rate 17847. - POOH w/PL tools LD Lubricator. RD crane . Move off LOC. - Hold safety meeting Review JSA MIRU HES LOG truck & crane rig up & function test Lubricator. - Stage #1 9414' Temp 218, Pressure @3799, RPS 0.47 , Density 0.87 , GHT rate 18307. Stage #2 9185' Temp 215 , Pressure @ 3711 , RPS 1.46, Density 0.87, GHT rate 18423. Stage #3 8990' temp 213, Pressure @3637, RPS 1.61, Density 0.87, GHT rate 18501. Stage #4 8810' Temp 210, Pressure @3572,RPS 2.85, Density 0.82, GHT rate 18027. Stage #5 8160' Temp 207, Pressure @3340 , RPS 2.75, Density 0.79, GHT rate 17847. - RIH w/ PL tools to 8160. DN 30' temp 206 Pressure @3456, RPS @5.52 . Up 30' temp @223, Pressure @3969, RPS -2.48. stage# 2 8810' DN 60' Temp 206 , Pressure @3377 ,RPS 7.91 .Up 60' Temp@223 ,Pressure @3932 ,RPS -5.42. Stage #3 8990' DN 90' Temp 208, Pressure @3376, RPS 9.45. UP 90' Temp 222, Pressure @3913, RPS -7.51. Stage #4 9185' DN 120' Temp 207, Pressure @3362, RPS 11.59. UP 120' Temp 222 ,Pressure @ 3904, RPS -11.28. Started Station Logs.
Daily Cost: $0
Cumulative Cost: $33,154

3/7/2013 Day: 3 **Formation Testing**

Rigless on 3/7/2013 - MIRU HES logging Truck w/ Crane . RUN PSL log RDMO - 14:00 - Started Station Logs: Stage #1 9415' Temp 219, Pressure @ 3265, RPS 0.71, Density 0.92, GHT rate 18266.9. Stage #2 9185' Temp 217, Pressure @ 3714, RPS 1.43, Density 0.93, GHT rate 18300.9. Stage #3 8990' Temp 215, Pressure @ 3097, RPS 1.39, Density 0.92, GHT rate 18251.7. Stage #4 8810' Temp 212, Pressure @ 3028, RPS 2.16, Density 0.86, GHT rate 17927.3. Stage #5 8160' Temp 207, Pressure @ 3786, RPS 2.64, Density 0.86, GHT rate 17915.3. - RIH w/ PL tools to 8150. Log from 8150? to 9680?. DN 30' - Temp 207 Pressure @ 2930 PSI, RPS @ 5.24 . Up 30' - Temp @ 223, Pressure @3439 PSI, RPS -2.64. Stage# 2 DN 60' Temp 207 , Pressure @ 2836 PSI, RPS 6.54. Up 60' - Temp@223 ,Pressure @ 3398 PSI, RPS -5.12. Stage #3 DN 90' - Temp 207, Pressure @ 2813 PSI, RPS 9.11. UP 90' - Temp 220, Pressure @ 3351 PSI, RPS -7.42. Stage #4 DN 120' - Temp 208, Pressure @ 2809 PSI, RPS 11.45. UP 120' - Temp 223, Pressure @ 3386 PSI, RPS -9.43. - Hold safety meeting Review JSA MIRU HES LOG truck & crane rig up & function test Lubricator. - 15:00 - POOH w/PL tools. LD Lubricator. RD crane. 16:30 ? All equipment & personnel off location. Return well to production. - 14:00 - Started Station Logs: Stage #1 9415' Temp 219, Pressure @ 3265, RPS 0.71, Density 0.92, GHT rate 18266.9. Stage #2 9185' Temp 217, Pressure @ 3714, RPS 1.43, Density 0.93, GHT rate 18300.9. Stage #3 8990' Temp 215, Pressure @ 3097, RPS 1.39, Density 0.92, GHT rate 18251.7. Stage #4 8810' Temp 212, Pressure @ 3028, RPS 2.16, Density 0.86, GHT rate 17927.3. Stage #5 8160' Temp 207, Pressure @ 3786, RPS 2.64, Density 0.86, GHT rate 17915.3. - RIH w/ PL tools to 8150. Log from 8150? to 9680?.

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Daily Cost: $0
Cumulative Cost: $49,844

Pertinent Files: Go to File List